

Sub. For, PTO-1449				Docket Number 289591.136 US1	Application Number 10/620,619
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Nivorozhkin et al.	
Sheet	1	OF	7	Filing Date July 17, 2003	Group Art Unit 1616 1626

U.S. Patent Documents							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
YD	AA	6,277,998	8/21/2001	Ushio			
	AB	6,191,289	2/20/2001	Ushio			
	AC	5,874,593	2/23/1999	Ushio			
	AD	5,284,954	2/8/1994	Wittenberger			
	AE	6,388,088	5/14/2002	Sidduri			
	AF	5,049,572	9/17/1991	Scherrer et al.			
	AG	5,232,937	8/3/1993	Makovec et al.			
	AH	5,364,869	11/15/1994	De et al.			
	AI	5,663,357	9/2/1997	Teng et al.			
	AJ	5,976,576	11/2/1999	Makovec et al.			
	AK	6,297,261	10/2/2001	Christopherson et al.			
	AL	6,417,393	7/9/2002	Christopherson et al.			
	AM	2002/00322 10	8/1/2002	Pinto et al.			
	AN	2002/00322 10	3/14/2002	Dahl et al.			
	AO	2002/00379 05	3/28/2002	Dahl et al.			
	AP	6,696,479	2/24/2004	Van Der Schaaf et al.			
✓	AQ	6,706,749	3/16/2004	Dahl et al.			

Foreign Patent Documents

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
YD	AR	WO 02/00647	1/03/2002	PCT				
	AS	WO 01/85705	11/15/2000	PCT				
	AT	0638553	7/26/1994	Europe				
	AU	WO 90/09989	9/7/1990	PCT				
✓	AV	WO 93/16053	8/19/1993	PCT				

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T. A. Solola	11-22-04

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YD	AW	WO 98/58522	12/23/199	PCT			
	AX	WO 99/24442	5/20/1999	PCT			
	AY	WO 00/16798	3/30/2000	PCT			
	AZ	WO 00/24707	5/4/2000	PCT			
	BA	WO 00/28979	5/25/2000	PCT			
	BB	WO 00/64888	11/2/2000	PCT			
	BC	WO 01/66098	9/13/2001	PCT			
✓	BD	WO 02/00647	1/3/2002	PCT			

Other Documents (Including Author, Title, Date, Pertinent Pages, etc.)

YD	BE	Oda et al., Oxygen radicals in influenza-induced pathogenesis and treatment with pyran polymer-conjugated SOD, <i>Science</i> . 1989 May 26;244(4907):974-6.
	BF	Tan et al., Xanthine oxidase activity in the circulation of rats following hemorrhagic shock, <i>Free Radic Biol Med</i> . 1993 Oct;15(4):407-14.
	BG	McCord J.M., Oxygen-derived free radicals in postischemic tissue injury, <i>N Engl J Med</i> . 1985 Jan 17;312(3):159-63.
	BH	Miesel et al., "Effects of allopurinol on in vivo suppression of arthritis in mice and ex vivo modulation of phagocytic production of oxygen radicals in whole human blood", <i>Inflammation</i> . 1994 Dec;18(6):597-612.
	BI	Engerson et al., Conversion of xanthine dehydrogenase to oxidase in ischemic rat tissues, <i>J Clin Invest</i> . 1987 Jun;79(6):1564-70.
	BJ	Akaike et al., Dependence on O ₂ - generation by xanthine oxidase of pathogenesis of influenza virus infection in mice, <i>J Clin Invest</i> . 1990 Mar;85(3):739-45.
	BK	Ketai et al., Plasma hypoxanthine and exercise, <i>Am Rev Respir Dis</i> . 1987 Jul;136(1):98-101.
	BL	Mohacsi et al., Neutrophils obtained from obliterative atherosclerotic patients exhibit enhanced resting respiratory burst and increased degranulation in response to various stimuli, <i>Biochim Biophys Acta</i> . 1996 Aug 23;1316(3):210-6.
	BM	Friedl et al., Ischemia-reperfusion in humans. Appearance of xanthine oxidase activity, <i>Am J Pathol</i> . 1990 Mar;136(3):491-5.
✓	BN	Friedl et al., Roles of histamine, complement and xanthine oxidase in thermal injury of skin, <i>Am J Pathol</i> . 1989 Jul;135(1):203-17.

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YD	BO	Parks et al., Role of oxygen free radicals in shock, ischemia, and organ preservation. <i>Surgery</i> . 1983 Sep;94(3):428-32.
	BP	Demling et al., Lung oxidant changes after zymosan peritonitis: relationship between physiologic and biochemical changes. <i>Am Rev Respir Dis</i> . 1992 Nov;146(5 Pt 1):1272-8.
	BQ	Chambers et al., Xanthine oxidase as a source of free radical damage in myocardial ischemia. <i>J Mol Cell Cardiol</i> . 1985 Feb;17(2):145-52.
	BR	Deitch et al., Hemorrhagic shock-induced bacterial translocation is reduced by xanthine oxidase inhibition or inactivation. <i>Surgery</i> . 1988 Aug;104(2):191-8.
	BS	Mayumi et al., Zonal heterogeneity of hepatic injury following shock/resuscitation: relationship of xanthine oxidase activity to localization of neutrophil accumulation and central lobular necrosis. <i>Shock</i> . 1996 May;5(5):324-32.
	BT	Flynn et al., Allopurinol plus standard resuscitation preserves hepatic blood flow and function following hemorrhagic shock. <i>J Trauma</i> . 1994 Dec;37(6):956-61.
	BU	Zollei, I., Experimental study of hypovolaemic shock-induced gastric mucosal lesions in the rat. <i>Ann Acad Med Singapore</i> . 1999 Jan;28(1):85-9.
	BV	Flynn et al., Allopurinol plus standard resuscitation preserves hepatic blood flow and function following hemorrhagic shock. <i>J Trauma</i> . 1994 Dec;37(6):956-61.
	BW	Modelska et al., Inhibition of beta-adrenergic-dependent alveolar epithelial clearance by oxidant mechanisms after hemorrhagic shock. <i>Am J Physiol</i> . 1999 May;276(5 Pt 1):L844-57.
	BX	Flynn et al., Xanthine oxidase inhibition prevents mesenteric blood flow deficits after resuscitated hemorrhagic shock by preserving endothelial function. <i>J Surg Res</i> . 1997 Mar;68(2):175-80.
	BY	Mannion et al., Role of xanthine oxidase inhibition in survival from hemorrhagic shock. <i>Circ Shock</i> . 1994 Jan;42(1):39-43.
	BZ	Cunningham and Keaveny, Effect of a xanthine oxidase inhibitor on adenine nucleotide degradation in hemorrhagic shock. <i>Eur Surg Res</i> . 1978;10(5):305-13.
	CA	Youn et al., Oxidants and the pathophysiology of burn and smoke inhalation injury. <i>Free Radic Biol Med</i> . 1992;12(5):409-15.
	CB	Deitch et al., A study of the relationship among survival, gut-origin sepsis, and bacterial translocation in a model of systemic inflammation. <i>J Trauma</i> . 1992 Feb;32(2):141-7.
	CC	Anderson et al., Hypovolemic shock promotes neutrophil sequestration in lungs by a xanthine oxidase-related mechanism. <i>J Appl Physiol</i> . 1991 Nov;71(5):1862-5.

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Y0	CD	Pogetti et al., Simultaneous liver and lung injury following gut ischemia is mediated by xanthine oxidase. J Trauma. 1992 Jun;32(6):723-7; discussion 727-8.
	CE	Nielsen et al., Xanthine oxidase inactivation attenuates postocclusion shock after descending thoracic aorta occlusion and reperfusion in rabbits. J Thorac Cardiovasc Surg. 1995 Sep;110(3):715-22.
	CF	Schwartz et al., Xanthine oxidase-derived oxygen radicals increase lung cytokine expression in mice subjected to hemorrhagic shock. Am J Respir Cell Mol Biol. 1995 Apr;12(4):434-40.
	CG	Crowell et al., Effect of allopurinol on hemorrhagic shock. Am J Physiol. 1969 Apr;216(4):744-8.
	CH	Linder et al., Cellular expression of xanthine oxidoreductase protein in normal human tissues. Lab Invest. 1999 Aug;79(8):967-74.
	CI	Saksela et al., Xanthine oxidoreductase gene expression and enzyme activity in developing human tissues. Biol Neonate. 1999 Oct;74(4):274-80.
	CJ	Battelli et al., Determination of xanthine oxidase in human serum by a competitive enzyme-linked immunosorbent assay (ELISA). Clin Chim Acta. 1999 Mar;281(1-2):147-58.
	CK	Houston et al., Binding of xanthine oxidase to vascular endothelium. Kinetic characterization and oxidative impairment of nitric oxide-dependent signaling. J Biol Chem. 1999 Feb 19;274(8):4985-94.
	CL	Fox et al., Immunohistochemical localization of xanthine oxidase in human retina. Free Radic Biol Med. 1998 Apr;24(6):900-5.
	CM	Rouquette et al., Xanthine oxidoreductase is asymmetrically localised on the outer surface of human endothelial and epithelial cells in culture. FEBS Lett. 1998 Apr 24;426(3):397-401.
	CN	Cardillo et al., Xanthine oxidase inhibition with oxypurinol improves endothelial vasodilator function in hypercholesterolemic but not in hypertensive patients. Hypertension. 1997 Jul;30(1 Pt 1):57-63.
	CO	Page et al., Xanthine oxidoreductase in human mammary epithelial cells: activation in response to inflammatory cytokines. Biochim Biophys Acta. 1998 Jul 23;1381(2):191-202.

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YD	CP	Zhang et al., Generation of nitric oxide by a nitrite reductase activity of xanthine oxidase: a potential pathway for nitric oxide formation in the absence of nitric oxide synthase activity. <i>Biochem Biophys Res Commun.</i> 1998 Aug 28;249(3):767-72.
	CQ	Trujillo et al., Xanthine oxidase-mediated decomposition of S-nitrosothiols. <i>J Biol Chem.</i> 1998 Apr 3;273(14):7828-34.
	CR	Goldfinger, S.E., Treatment of gout. <i>N Engl J Med.</i> 1971 Dec 2;285(23):1303-6.
	CS	Buchanan et al., Hypocholesterolemic 5-substituted tetrazoles. <i>J Med Chem.</i> 1969 Nov;12(6):1001-6.
	CT	Shukla and Rastogi, Studies on neuropharmacological and biochemical properties of 5-substituted tetrazoles. <i>Indian J Physiol Pharmacol.</i> 1981 Oct-Dec;25(4):369-73.
	CU	Springer et al., 1916, <i>J. Med. Chem.</i> 19, 291: U.S. Patent No.: 4,021,556
	CV	Skipper et al., Inhibition of experimental neoplasms by 4-aminopyrazolo (3, 4-d) pyrimidine. <i>Proc Soc Exp Biol Med.</i> 1955 Aug;89(4):594-6.
	CW	Demko and Sharpless, Preparation of 5-substituted 1H-tetrazoles from nitriles in water. <i>J Org Chem.</i> 2001 Nov 30;66(24):7945-50.
	CX	Butler, R.N., <i>Comprehensive Heterocyclic Chemistry</i> , Katritzky, et al., Eds., Pergamon: Oxford, U.K., 1996, Volume 4.
	CY	Isida et al. , The Formation of Tin-Nitrogen Bonds. V. The Selective 1-Substitution Reaction of 5-Substituted 1-(Tri-n-butylstannyli tetrazoles) with Methyl Iodide, Methyl p-Toluenesulfonate, Dimethyl Sulfate, and Ethyl Bromoacetate. <i>Chemical Society of Japan</i> , Vol. 46, 2176-2180.(1973)
	CZ	Rosenbaum et al., 1992, "Thermolyse von 1-Thiocarbamoyl-5-phenyl-tetrazolen", <i>J. Prakt. Chem.</i> 334:283-4.
	DA	Myznikov et al., Tetrazoles XXV. Production of N-benzoyltetrazoles and their chemical characteristics. <i>J. Org. Chem. USSR</i> 1988 Dec 20, 24(7):1397-1401.
	DB	A. Konnecke et al., 1976, <i>Tetrahedron letters</i> , No. 7, 533-536.
	DC	Oshipova et al., Tetrazoles XIX. Acylation of tetrazoles under the conditions of phase-transfer catalysis. <i>J. Org. Chem. USSR</i> 1984 20(11):2248-2252.
↓	DD	Jursic B.S., 1993, "Acyltetrazole As an Intermediate for Preparation of Carboxylic Acid Derivatives", <i>Synthetic Communications</i> , 23(3):361-4.

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Y0	DE	Ichibuchi et al., Synthesis and structure-activity relationships of 1-phenylpyrazoles as xanthine oxidase inhibitors. <i>Bioorg. Med. Chem. Lett.</i> 2001;11(7):879-882.
	DF	Nagamatsu et al., Novel xanthine oxidase inhibitor studies. Part 2. Synthesis and xanthine oxidase inhibitory activities of 2-substituted 6-alkyl-indenehydrazino- or 6-aryl-methylindenenehydrazino-7H-purines and 3- and/or 5-substituted 9H-1,2,4-triazolo[3,4-1]purines. <i>J. Chem. Soc. Perkin Trans. 1</i> 1999;3117-3125.
	DG	Baldwin et al., 1975, 4-Trifluoromethylimidazoles and 5-(4-Pyridyl)-1,24-triazoles, New Classes of Xanthine Oxidase Inhibitors: <i>J. Of Med. Chemistry</i> , v. 18 no. 9.
	DH	J. of Org. Chem of the USSR, Russian Original Vol. 20., no. 5, Part 2, May 1984.
	DI	Czuczwar et al., A potential anti-asthmatic drug, CR 2039, enhances the anticonvulsive activity of some antiepileptic drugs against pentetetrazol in mice. <i>Eur Neuropsychopharmacol.</i> 1998;Aug;8(3):233-8.
	DJ	Czuczwar et al., Influence of a potential anti-asthmatic drug, CR 2039, upon the anticonvulsive activity of conventional antiepileptics against maximal electroshock-induced seizures in mice. <i>J Neural Transm.</i> 1996;103(12):1371-9.
	DK	Makovec F., Antiallergic and cytoprotective activity of new N-phenylbenzamido acid derivatives. <i>J Med Chem.</i> 1992 Oct 2;35(20):3633-40.
	DL	Revel et al., CR 2039, a new bis-(1H-tetrazol-5-yl)phenylbenzamide derivative with potential for the topical treatment of asthma. <i>Eur J Pharmacol.</i> 1992 Dec 8;229(1):45-53.
	DM	Revel et al., Pharmacological profile of CR 2039 (Dizolast) a new agent for the treatment of allergic diseases, <i>Life Sciences</i> , 229:273-7. 1992.
	DN	Persiani et al., Pharmacokinetics of andolast after administration of single escalating doses by inhalation in mild asthmatic patients. <i>Biopharm Drug Dispos.</i> 2001 Mar;22(2):73-81.
	DO	Blake et al., 1997, "Xanthine Oxidase: Four Roles for the Enzyme in Rheumatoid Pathology" <i>Biochemical Society Transactions</i> , 25:1-7
	DP	Boros et al., 1989, "Oxygen Free Radical-Induced Histamine Release During Intestinal Ischemia and Reperfusion", <i>Eur. Surg. Res.</i> 21:297-304
	DQ	Brown et al., 1988, "Xanthine Oxidase Produces Hydrogen Peroxide which Contributes to Reperfusion Injury of Ischemic, Isolated, Perfused Rat Hearts", <i>J. Clin. Invest.</i> 81:1297-301.
↓	DR	Deliconstantinos et al., 1996, "Alterations of Nitric Oxide Synthase and Xanthine Oxidase Activities of Human Keratinocytes by Ultraviolet B Radiation", <i>Biochem. Pharm.</i> 51:1727-1738.

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0	DS	Harrison, R., 1997, "Human Xanthine oxidoreductase: In Search of a Function", Biochemical Society Transactions 25: 1-7
	DT	Vorbach et al., The housekeeping gene xanthine oxidoreductase is necessary for milk fat droplet enveloping and secretion: gene sharing in the lactating mammary gland. Genes Dev. 2002 Dec 15;16(24):3223-35.

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